RECEIVED

NOV 2 3 2001

TECH CENTER 1600/2900   1600

(1647)

RAW SEQUENCE LISTING   DATE: 11/14/2001
PATENT APPLICATION: US/09/462,909B   TIME: 09:57:06

Input Set : A:\es.txt
Output Set: N:\CRF3\11142001\I462909B.raw

ENTERED

P. 5

```
 3 <110> APPLICANT: MEINIEL, Annie
 4        MONNERIE, Hubert
 5        GOBRON, Stephane
 7 <120> TITLE OF INVENTION: NOVEL PEPTIDES AND POLYPEPTIDES USEFUL FOR REGENERATING THE
NERVOUS
 8        SYSTEM
10 <130> FILE REFERENCE: 065691/0179
12 <140> CURRENT APPLICATION NUMBER: 09/462,909B
13 <141> CURRENT FILING DATE: 2000-02-14
15 <150> PRIOR APPLICATION NUMBER: PCT/FR98/01556
16 <151> PRIOR FILING DATE: 1998-07-16
18 <150> PRIOR APPLICATION NUMBER: FR 97/09016
19 <151> PRIOR FILING DATE: 1997-07-16
21 <160> NUMBER OF SEQ ID NOS: 24
23 <170> SOFTWARE: PatentIn version 3.1
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 16
27 <212> TYPE: PRT
28 <213> ORGANISM: Bovine
30 <220> FEATURE:
31 <221> NAME/KEY: misc_feature
32 <222> LOCATION: (3)..(7)
33 <223> OTHER INFORMATION: Xaa can be any amino acid
36 <220> FEATURE:
37 <221> NAME/KEY: misc_feature
38 <222> LOCATION: (10)..(14)
39 <223> OTHER INFORMATION: Xaa can be any amino acid
42 <400> SEQUENCE: 1
44 Trp Ser Xaa Xaa Xaa Xaa Xaa Cys Ser Xaa Xaa Xaa Xaa Xaa Cys Gly
45 1               5                  10                  15
48 <210> SEQ ID NO: 2
49 <211> LENGTH: 9
50 <212> TYPE: PRT
51 <213> ORGANISM: Bovine
53 <400> SEQUENCE: 2
55 Trp Ser Pro Cys Ser Val Thr Cys Gly
56 1               5
59 <210> SEQ ID NO: 3
60 <211> LENGTH: 9
61 <212> TYPE: PRT
62 <213> ORGANISM: Bovine
64 <400> SEQUENCE: 3
66 Trp Ser Ser Cys Ser Val Thr Cys Gly
67 1               5
70 <210> SEQ ID NO: 4
71 <211> LENGTH: 9
72 <212> TYPE: PRT
73 <213> ORGANISM: Bovine
```

W-->

```
 75 <400> SEQUENCE: 4
 77 Trp Ser Gln Cys Ser Val Thr Cys Gly
 78 1                 5
 81 <210> SEQ ID NO: 5
 82 <211> LENGTH: 4
 83 <212> TYPE: PRT
 84 <213> ORGANISM: Bovine
 86 <220> FEATURE:
 87 <221> NAME/KEY: MISC_FEATURE
 88 <222> LOCATION: (1)..(1)
 89 <223> OTHER INFORMATION: Xaa can be Gly, Ser or Cys
 92 <220> FEATURE:
 93 <221> NAME/KEY: MISC_FEATURE
 94 <222> LOCATION: (3)..(3)
 95 <223> OTHER INFORMATION: Xaa can be Gly, Ser or Cys
 98 <220> FEATURE:
 99 <221> NAME/KEY: MISC_FEATURE
100 <222> LOCATION: (4)..(4)
101 <223> OTHER INFORMATION: Xaa can be Gly, Ser or Cys
104 <400> SEQUENCE: 5
```
W--> 106 Xaa Trp Xaa Xaa
```
107 1
110 <210> SEQ ID NO: 6
111 <211> LENGTH: 4
112 <212> TYPE: PRT
113 <213> ORGANISM: Bovine
115 <220> FEATURE:
116 <221> NAME/KEY: MISC_FEATURE
117 <222> LOCATION: (1)..(1)
118 <223> OTHER INFORMATION: Xaa can be Gly, Ser or Cys
121 <220> FEATURE:
122 <221> NAME/KEY: MISC_FEATURE
123 <222> LOCATION: (4)..(4)
124 <223> OTHER INFORMATION: Xaa can be Gly, Ser or Cys
127 <400> SEQUENCE: 6
```
W--> 129 Xaa Trp Ser Xaa
```
130 1
133 <210> SEQ ID NO: 7
134 <211> LENGTH: 15
135 <212> TYPE: PRT
136 <213> ORGANISM: Bovine
138 <220> FEATURE:
139 <221> NAME/KEY: MISC_FEATURE
140 <222> LOCATION: (3)..(3)
141 <223> OTHER INFORMATION: Xaa can be Gly, Ser or Cys
144 <220> FEATURE:
145 <221> NAME/KEY: MISC_FEATURE
146 <222> LOCATION: (6)..(6)
147 <223> OTHER INFORMATION: Xaa can be Gly, Ser or Cys
```

RAW SEQUENCE LISTING   DATE: 11/14/2001
PATENT APPLICATION: US/09/462,909B   TIME: 09:57:06

Input Set : A:\es.txt
Output Set: N:\CRF3\11142001\I462909B.raw

```
        150 <220> FEATURE:
        151 <221> NAME/KEY: MISC_FEATURE
        152 <222> LOCATION: (9)..(13)
        153 <223> OTHER INFORMATION: Xaa can be any amino acid
        156 <400> SEQUENCE: 7
W--> 158 Trp Ser Xaa Trp Ser Xaa Cys Ser Xaa Xaa Xaa Xaa Xaa Cys Gly
        159 1               5               10              15
        162 <210> SEQ ID NO: 8
        163 <211> LENGTH: 12
        164 <212> TYPE: PRT
        165 <213> ORGANISM: Bovine
        167 <400> SEQUENCE: 8
        169 Trp Ser Gly Trp Ser Ser Cys Ser Arg Ser Cys Gly
        170 1               5               10
        173 <210> SEQ ID NO: 9
        174 <211> LENGTH: 22
        175 <212> TYPE: PRT
        176 <213> ORGANISM: Bovine
        178 <220> FEATURE:
        179 <221> NAME/KEY: MISC_FEATURE
        180 <222> LOCATION: (1)..(5)
        181 <223> OTHER INFORMATION: Xaa can be any amino acid
        184 <220> FEATURE:
        185 <221> NAME/KEY: MISC_FEATURE
        186 <222> LOCATION: (8)..(8)
        187 <223> OTHER INFORMATION: Xaa can be Pro or (Gly, Ser or Cys)-Trp-(Gly, Ser or Cys)-
(Gly, S
        188         er or Cys)
        191 <220> FEATURE:
        192 <221> NAME/KEY: MISC_FEATURE
        193 <222> LOCATION: (11)..(15)
        194 <223> OTHER INFORMATION: Xaa can be any amino acid
        197 <220> FEATURE:
        198 <221> NAME/KEY: MISC_FEATURE
        199 <222> LOCATION: (18)..(22)
        200 <223> OTHER INFORMATION: Xaa can be any amino acid
        203 <400> SEQUENCE: 9
W--> 205 Xaa Xaa Xaa Xaa Xaa Trp Ser Xaa Cys Ser Xaa Xaa Xaa Xaa Xaa Cys
        206 1               5               10              15
W--> 209 Gly Xaa Xaa Xaa Xaa Xaa
        210                 20
        213 <210> SEQ ID NO: 10
        214 <211> LENGTH: 36
        215 <212> TYPE: DNA
        216 <213> ORGANISM: Bovine
        218 <220> FEATURE:
        219 <221> NAME/KEY: misc_feature
        220 <222> LOCATION: (6)..(6)
        221 <223> OTHER INFORMATION: N can be A, C, G or T
        224 <220> FEATURE:
```

RAW SEQUENCE LISTING   DATE: 11/14/2001
PATENT APPLICATION: US/09/462,909B   TIME: 09:57:06

Input Set : **A:\es.txt**
Output Set: **N:\CRF3\11142001\I462909B.raw**

```
225 <221> NAME/KEY: misc_feature
226 <222> LOCATION: (9)..(9)
227 <223> OTHER INFORMATION: N can be A, C, G or T
230 <220> FEATURE:
231 <221> NAME/KEY: misc_feature
232 <222> LOCATION: (15)..(15)
233 <223> OTHER INFORMATION: N can be A, C, G or T
236 <220> FEATURE:
237 <221> NAME/KEY: misc_feature
238 <222> LOCATION: (18)..(18)
239 <223> OTHER INFORMATION: N can be A, C, G or T
242 <220> FEATURE:
243 <221> NAME/KEY: misc_feature
244 <222> LOCATION: (24)..(24)
245 <223> OTHER INFORMATION: N can be A, C, G or T
248 <220> FEATURE:
249 <221> NAME/KEY: misc_feature
250 <222> LOCATION: (27)..(27)
251 <223> OTHER INFORMATION: N can be A, C, G or T
254 <220> FEATURE:
255 <221> NAME/KEY: misc_feature
256 <222> LOCATION: (30)..(30)
257 <223> OTHER INFORMATION: N can be A, C, G or T
260 <220> FEATURE:
261 <221> NAME/KEY: misc_feature
262 <222> LOCATION: (36)..(36)
263 <223> OTHER INFORMATION: N can be A, C, G or T
266 <400> SEQUENCE: 10
```

W--> 267 tggwsnggnt ggwsnwsntg ywsnngnwsn tgyggn   36

```
270 <210> SEQ ID NO: 11
271 <211> LENGTH: 9
272 <212> TYPE: PRT
273 <213> ORGANISM: Bovine
275 <400> SEQUENCE: 11
277 Trp Gly Pro Cys Ser Val Ser Cys Gly
278 1               5
281 <210> SEQ ID NO: 12
282 <211> LENGTH: 8
283 <212> TYPE: PRT
284 <213> ORGANISM: Bovine
286 <400> SEQUENCE: 12
288 Asp Cys Lys Asp Gly Ser Asp Glu
289 1               5
292 <210> SEQ ID NO: 13
293 <211> LENGTH: 4
294 <212> TYPE: PRT
295 <213> ORGANISM: Bovine
297 <400> SEQUENCE: 13
299 Arg Lys Ala Arg
```

RAW SEQUENCE LISTING   DATE: 11/14/2001
PATENT APPLICATION: US/09/462,909B   TIME: 09:57:06

    Input Set : A:\es.txt
    Output Set: N:\CRF3\11142001\I462909B.raw

```
300 1
303 <210> SEQ ID NO: 14
304 <211> LENGTH: 12
305 <212> TYPE: PRT
306 <213> ORGANISM: Bovine
308 <400> SEQUENCE: 14
310 Ser Ser Cys Arg Ser Gly Cys Trp Gly Ser Ser Trp
311 1               5                   10
314 <210> SEQ ID NO: 15
315 <211> LENGTH: 23
316 <212> TYPE: PRT
317 <213> ORGANISM: Bovine
319 <400> SEQUENCE: 15
321 Trp Ser Pro Trp Ser Glu Trp Thr Ser Cys Ser Thr Ser Cys Gly Asn
322 1               5                   10                  15
325 Gly Ile Gln Gln Arg Gly Arg
326             20
329 <210> SEQ ID NO: 16
330 <211> LENGTH: 23
331 <212> TYPE: PRT
332 <213> ORGANISM: Bovine
334 <400> SEQUENCE: 16
336 Trp Ser His Trp Ser Pro Trp Ser Ser Cys Ser Val Thr Cys Asp Gly
337 1               5                   10                  15
340 Asp Val Ile Thr Arg Ile Arg
341             20
344 <210> SEQ ID NO: 17
345 <211> LENGTH: 23
346 <212> TYPE: PRT
347 <213> ORGANISM: Bovine
349 <400> SEQUENCE: 17
351 Trp Gly Pro Trp Ser Pro Trp Asp Ile Cys Ser Val Thr Cys Gly Gly
352 1               5                   10                  15
355 Gly Val Gln Lys Arg Ser Arg
356             20
359 <210> SEQ ID NO: 18
360 <211> LENGTH: 9
361 <212> TYPE: PRT
362 <213> ORGANISM: Bovine
364 <400> SEQUENCE: 18
366 Trp Ser Gln Cys Ser Val Tyr Cys Gly
367 1               5
370 <210> SEQ ID NO: 19
371 <211> LENGTH: 22
372 <212> TYPE: PRT
373 <213> ORGANISM: Bovine
375 <400> SEQUENCE: 19
377 Thr Glu Trp Ser Ala Cys Ser Lys Ser Cys Gly Met Gly Phe Ser Thr
378 1               5                   10                  15
```

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/462,909B

DATE: 11/14/2001
TIME: 09:57:07

Input Set : A:\es.txt
Output Set: N:\CRF3\11142001\I462909B.raw

```
L:44  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:106 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:158 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:267 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:430 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:447 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:464 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
```